

YAMAHA PortaSound

PSS-110

PLAYING GUIDE
TIPS ZUM KENNENLERNEN
METHODE
GUIA PARA TOCAR

YAMAHA

PortaSound

PSS-100

Thank you for purchasing a Yamaha PortaSound. Before playing your PortaSound, please read through the Playing Guide — it will help you get full enjoyment out of your instrument.

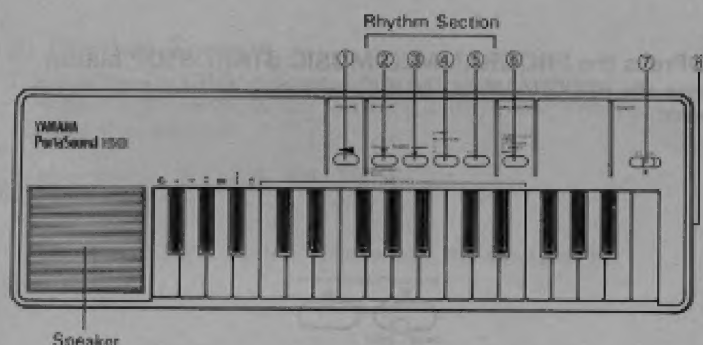
Inserting batteries

Remove the battery compartment cover on the bottom of the instrument and insert four 1.5V SUM-2, "C" size, R-14 or equivalent batteries (sold separately), making sure that the polarities are correct. Replace the cover, ensuring that it locks securely in place.

Optional power adaptor

Household current: Power Adaptor PA-1 is available for household current.

Car battery: Car Battery Adaptor CA-1 plugs into a car cigarette lighter socket.



* The characters on and the functions of the panel may differ depending on the local area.

Nomenclature

- ① **Volume** Controls overall volume of instrument.
- ② **Programmed Music** For automatic play of programmed music.
- ③ **Tempo Control** Adjusts speed of rhythm.
- ④ **Rhythm Selector** Rhythms can be selected.
- ⑤ **Stop**
- ⑥ **Instrument Voice Selector** For choosing instrument voice.
- ⑦ **Power Switch** Slide to right to switch on; lamp lights up.
- ⑧ **DC IN Jack**

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Playing Back the Programmed Music

The PSS-110 is programmed with "Twinkle, Twinkle, Little Star". To hear the music, do the following.

1. Switch On

Switch on by sliding the POWER switch ① to the right. The Power-on light will light up.

POWER



2. Press the PROGRAMMED MUSIC START/STOP button

Press the PROGRAMMED MUSIC button ② to hear the music.

PROGRAMMED MUSIC



3. Adjust the volume

Adjust the overall volume using the VOLUME control ③. The volume can be adjusted in 4 steps. With each depression of the VOLUME control, the volume is reduced by one step, until the minimum volume has been reached. When the VOLUME control then is depressed again, the volume will be increased by one step until the maximum volume is reached etc.

VOLUME



- The music will be played automatically and continuously.
- To stop the music, press the button ② again.
- The voice and tempo have been programmed and cannot be changed.

How to Use the Orchestra and Rhythm Sections

A) Orchestra Section

You can choose freely from among the five different instrument voices by pressing the ORCHESTRA voice selector ⑥. The instrument voice changes each time this selector is pressed, in the following order.

Human Voice Piano Xylophone Clarinet Banjo Human Voice ...

Adjust the overall volume by means of the VOLUME control ①.

Notes:

1. Other than Human Voice, up to 4 notes can be played at the same time.
2. With Human Voice, playing is possible for up to 2 notes at the same time. (The white keys only)
3. When the Human Voice has been selected, the 14 keys: 7 on the left and 7 on the right, can be used to play percussion instruments and animal voices. (The white keys are for percussion instruments, while the black keys are for animal voices.)
4. If the instrument is left unplayed for two minutes, a warning signal is given (in the Clarinet voice) to indicate that the power has not been turned off.

B) Rhythm Section

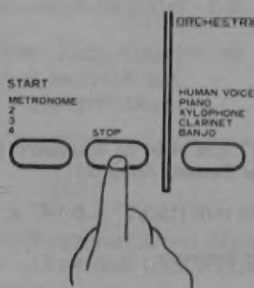
1. Press the RHYTHM selector ④ to start the rhythm. The rhythm will change in the following order every time you press this selector.

Metronome 2/4 3/4 4/4 Metronome ...

2. Use the TEMPO control ③ to adjust the speed of the rhythm.



3. Press STOP button ⑤ to stop the rhythm.



Note:

When the Human Voice is selected, if the rhythm has been started the percussion keyboard on the left and right will not produce any sound.

Taking Care of Your PortaSound

Your PortaSound will remain in excellent playing condition if care is taken concerning the following.

1. When battery power becomes low, the instrument's sound quality may become unstable. If this occurs, be sure to replace all the batteries with new ones.
 2. When you use AC power be sure to use the optional PA-1 adaptor. Before use, read the adaptor instructions carefully.
 3. The optional car battery adaptor CA-1 is only for use with a negative ground 12V battery. Ensure that this is the case before connecting the adaptor.
 4. Avoid placing the instrument in excessively humid areas.
 5. Do not subject the unit to physical shock, and avoid placing anything heavy on it.
 6. The PortaSound should not be placed in direct sunlight for a long time.
 7. Do not place the instrument near any heating appliance, or leave it inside a car in direct sunlight for any length of time. Direct sunshine can raise the interior temperature of a car with closed doors and windows to as high as 80°C (176°F). Temperatures in excess of 60°C (140°F) can cause physical and/or electrical damage not covered by warranty.
- B. Use a dry or damp cloth for cleaning.

Specifications

Keyboard

32 Keys (F₂ – C₅)

Orchestra Section

Human Voice (C₃ – E₄, white keys only),
Animal Voice (Dog, Cat, Bird),
Percussion (Drum, Cymbal, Bongo, Conga),
Piano, Xylophone, Clarinet, Banjo

Rhythm Section

Metronome, Beats (2, 3, 4), Tempo

Other Controls

Power Switch, Power-On Light, Master Volume, Programmed Music

Auxiliary Jack

DC 9–12V In

Amplifier

0.4W

Speaker

8 cm (3-1/8")

Rated Voltage

DC 6V (Four SUM-2, "C" size, R-14 or equivalent batteries,
AC Power Adaptor or Car Battery Adaptor)

Dimensions (W x D x H)

498 mm x 160 mm x 45 mm (19-1/2" x 6-1/4" x 1-3/4")

Weight

1.1 kg (2.4 lbs) excluding batteries

Specifications subject to change without notice.

FCC INFORMATION

Attention users in the U.S.A.

PortaSound PSS-110 prepared in accordance with FCC rules.

The PortaSound PSS-110 uses frequencies that appear in the radio frequency range, and if installed in the immediate proximity (within three meters) of some types of audio or video devices interference may occur.

The PortaSound PSS-110 has been type tested and found to comply with the specifications set for a Class B computing device in accordance with those specifications listed in Subpart J of Part 15 of the FCC rules. These rules are designed to provide a reasonable measure of protection against such interference. However, this does not guarantee that interference will not occur. If your PortaSound PSS-110 should be suspected of causing interference with other electronic devices, verification can be made by turning your PortaSound PSS-110 off and on. If the interference continues when your PortaSound PSS-110 is off, the PortaSound PSS-110 is not the source of the interference. If your PortaSound PSS-110 does appear to be the source of the interference, you should try to correct the situation by using one or more of the following measures:

Relocate either the PortaSound PSS-110 or the electronic device that is being affected by the interference.

Utilize power outlets for the PortaSound PSS-110 and the device being affected that are on different branch (circuit breaker or fuse) circuits, or install A/C line filters.

In the case of radio-TV interference, relocate the antenna or, if the antenna lead-in is a 300 ohm ribbon lead, change the lead-in to a coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your Authorized Yamaha Specialty Products dealer for suggestions and/or corrective measures. If you cannot locate an Authorized Yamaha Specialty Products dealer in your general area, contact the Specialty Products Service Center, Yamaha International, 6600 Orangethorpe Ave., Buena Park, CA 90620.

If for any reason you should need additional information relating to radio or TV interference, you may find a booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402 - Stock # 004-000-345-4.

The serial number of this product may be found on the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No. **PSS-110**

Serial No. _____

Die Seriennummer befindet sich an der Unterseite des Instrumentes. Wir empfehlen, diese Nummer sicherheitshalber an der unten vorgesehenen Stelle einzutragen, um sie auch im Falle eines Diebstahls jederzeit zur Hand zu haben.

Modell · Nr. **PSS-110**

Serien · Nr. _____

Le numéro de série de ce produit figure au bas du bloc. Il conviendra de noter ce numéro de série dans l'espace réservé au-dessous et de conserver ce manuel: celui-ci constitue le document permanent de votre achat et permet l'identification en cas de vol.

Modèle No. **PSS-110**

No. de série: _____

El número de serie de este producto se encuentra en la parte inferior de la unidad. Sirvase anotar este número de serie en el espacio proporcionado debajo y guarde este manual como comprobante de compra para ayudar a la identificación en caso de robo.

N° de modelo **PSS-110**

N° de serie _____

Concerning Warranty

This product was made for international distribution, and since the warranty for this type of product varies from marketing area to marketing area, please contact the selling agency for information concerning the applicable warranty and/or service policies.

Hinweis zur Garantie

Dieses Product wird international vertrieben, und die Garantiebedingungen sind von Vertriebsland zu Vertriebsland verschieden. Ihr Händler gibt Ihnen gerne genauere Informationen zu den in Ihrem Land gültigen Garantie-und/oder Servicebedingungen.

Remarque relative à la garantie

Ce modèle est destiné à être distribué à l'échelle internationale. Etant donné que les conditions de garantie pour ce type de produit varient en fonction des zones de commercialisation, prière de prendre contact avec l'agence chargée des ventes pour tous renseignements relatifs aux conditions de garantie et de service après-vente.

Concerniente a la garantía

Este producto ha sido fabricado para ser distribuido internacionalmente y, como la garantía para este tipo de producto varia en relación a su área de comercialización, sirvase consultar con el agente de ventas sobre la información en torno a la garantía aplicable y/o políticas de servicio.

SINCE 1887



YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN